RESEARCH, DEVELOPMENT & TECHNOLOGY TRANSFER
QUARTERLY PROGRESS REPORT

Wisconsin Department of Transportation
DT1241 02/2011

INSTRUCTIONS:
Research project investigators and/or project managers should complete a quarterly progress report (QPR) for each calendar quarter during which the projects are active.

WisDOT research program category: ☐ Policy research ☒ Wisconsin Highway Research Program ☐ Other ☐ Pooled fund TPF#		Report period year: 2014 ☒ Quarter 1 (Jan 1 – Mar 31) ☐ Quarter 2 (Apr 1 – Jun 30) ☐ Quarter 3 (Jul 1 – Sep 30) ☐ Quarter 4 (Oct 1 – Dec 31)
Project title: Static Pile Load Tests on Driven Piles into Intermediate Geo Materials		
Project investigator: James H Long	Phone: 217 333-2543	E-mail: jhlong@uiuc.edu
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WisDOT contact: Jeffrey Horsfall	Phone: 698 243-5993	E-mail: Jeffrey.Horsfall@dot.wi.gov
WisDOT project ID: 0092-12-08	Other project ID:	Project start date: 8/1/2011
Original end date: 8/1/2011	Current end date: 6/30/2014	Number of extensions: 1

Project schedule status:
☐ On schedule ☐ On revised schedule ☐ Ahead of schedule ☒ Behind schedule

Project budget status:

Total Project Budget	Expenditures Current Quarter	Total Expenditures	% Funds Expended	% Work Completed
$95,000.00	$50.00	$52,841.00	60%	72%

Project description:
The objective of the research is to develop and perform three static pile load tests and evaluate the results for piles driven into intermediate Geomaterials. Three different locations will be identified around the state. The H-piles shall be driven into IGM under current WisDOT design and construction standards. The static pile load tests, with PDA/CAPWAP analysis will help the department better understand the conditions of driving H-piles in IGM.

Progress this quarter We are continuing to review the analysis results for the 1st and 2nd set of static and dynamic load tests and are putting together a package of results that will be reviewed by an independent expert in pile dynamic testing. We are currently reviewing other work on piles in intermediate geomaterials, and we are getting materials together to make a presentation to the Technical Review Panel.

Anticipated work next quarter:
Further field work will be conducted as load test projects are identified by WisDOT become available. We will present results to the technical review panel in the second quarter of 2014.

Circumstances affecting project or budget:
This next quarter, we will requested another no-cost extension for this project to accommodate the inclusion of the 3rd set of static and dynamic load tests. I suggest another 8 month extension which will extend the project to February 28, 2015. Scheduling the anticipated load tests is dependent on the Wisconsin DOT construction schedule. Two locations have already been tested, and one location for load testing remains. We are within the budget estimates and do not anticipate a change in budget, even if a time extension is necessary.

Attach / insert Gantt chart and other project documentation

	Static Pile Load Tests on Driven Piles into Intermediate Geo-Materials	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		2011					2012												2013
Task	Description	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
1	Literature Search and Background Study																		
2	Development of Requirements for Pile Installation and Load Test Setup																		
3	Evaluation and Monitoring of Static Pile Load Tests																		
4a	Data Analysis, Summary																		
4b	Draft report and Final Report																		
	Meeting with TOC committee in Madison	M					M												M

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Staff receiving QPR:	Date received:
Staff approving QPR:	Date approved: